

METHOD FOR STABILIZING THE MOVEMENT OF AN ARTICULATED
CHAIN OF A CHAIN BLOCK, ESPECIALLY TO PREVENT THE FORMATION
OF A RESONANCE OSCILLATION OF THE CHAIN,
AND A CHAIN BLOCK APPARATUS

ABSTRACT OF THE DISCLOSURE

The invention concerns a method for stabilizing the motion of an articulated chain of a chain block, especially to prevent the formation of resonance oscillation of the chain, in which an articulated chain is led across a polygonal chain wheel with non-uniform pitch, which is driven by an electric motor.

In order to create a method to prevent the formation of a resonance oscillation of the articulated chain, it is proposed that a periodic and/or stochastic and dampening actuating variable is superimposed on the velocity of the chain wheel (4) and the dampening actuating variable produces a change in the chain velocity so as to prevent a formation of a resonance oscillation.

The chain drive with reduced polygon effect is characterized in that an electronic damper (8) is hooked up in front of the electric motor (2), which produces a control of the electric motor (2) such that a formation of a resonance oscillation of the articulated chain (5) is prevented.